MOTOROLA

Works with
Multi-Line Phone Systems*
Pick up any line, transfer calls, etc.

Handset Charger | Handset | Phone Base | Phone Base Power Pack

CLS1450CB Quick Start Instructions

The Motorola Industrial Cordless phone with Built-in Walkie-Talkie works with PBX/Key telephone systems of any size from 1 line to hundreds or even thousands of lines. It connects to an Analog Extension Port of a phone system and simply becomes another extension phone. This allows use of phone system features including but not limited to pickup of any line, call transfer, hold, page, intercom between extension phones (corded or cordless), etc. Features are limited only by the phone system capability, not the CLS1450.

To use the features of your phone system, you'll press specific keypad buttons on the CLS1450 handset, which vary with each phone system. For information on your specific phone system, refer to:

1. Your phone system instruction manual: Accessing phone system features using Analog or Single Line (SLT) telephones
2. Your phone system vendor or installer
3. Information at www.acsspirit.com/cls1450 for several popular phone systems

COMMON QUESTIONS

Q: Will the 2.4 GHz digital phone interfere with other wireless devices such as wireless computer networks?

A: NO. This cordless phone utilizes Digital Enhanced Cordless Telecom (DECT) protocol and Frequency Hopping Spread-Spectrum (FHSS) technology which rapidly hops from frequency-to-frequency across the entire 2.4 GHz ISM band every 10 milliseconds. Built-in Adaptive Frequency Hopping avoids interference with other devices such as WLAN devices (802.11g/b), wireless access points, network adapters, barcode scanners and other devices.

Q: Can I use more than one CLS1450 handset with the cordless phone base unit?

A: YES, up to 4 handsets may share a single cordless phone base, but, only 1 handset can be on a phone call at any one time. Consequently most users use only one handset with each phone base.

Connecting the CLS1450cB to a Multi-Line Phone System

A. CONNECT THE CLS1450 PHONE BASE TO YOUR PHONE SYSTEM

1. Connect the Phone Base to an **analog extension port** of the phone system. If you're not sure that your phone system has analog extension ports, plug in an inexpensive single line telephone. If you hear a dial tone, the port is analog and can be used with the Motorola Cordless Phone Base.

   If you do not hear dial tone or the phone system does not have enough analog extension ports, contact your phone system vendor and ask them to add analog ports or expansion modules to support each CLS1450 Phone Base. One (1) CLS1450 Phone Base can be used per analog phone extension port.

2. The Phone Base and corresponding Handset are registered at the factory to work together. The Handset can only be used with ONE Phone Base. (Handsets do not "hop" from Phone Base to Phone Base).

3. Plug AC power cord of Phone Base into a surge protector and plug the surge protector into an AC outlet.

B. PROGRAM EACH PHONE SYSTEM ANALOG EXTENSION PORT TO FUNCTION IN THE FOLLOWING WAY:

1. Each analog extention port must default to **internal or intercom dial tone** (not an outside phone line) when pressing **Flash** on the CLS1450 handset.

2. If you want the Handset to ring on incoming calls, the phone system must be set to enable line ringing on that specific extension.

3. If you're unsure how to do the above, refer to your phone system user's manual or contact your phone system vendor.

C. PLACEMENT OF CLS1450 PHONE BASE

1. The Handset comes with its own charger and does not return to Phone Base for charging as with consumer cordless phones.

2. When installing multiple Phone Bases, place them at least 6 feet apart from each other and 6 feet from electrical panels, fluorescent lights and wireless access points.

D. TO MAXIMIZE CORDLESS PHONE RANGE & COVERAGE

1. Like other wireless devices, coverage is greatest when there are few obstructions between the Phone Base and the Handset. The coverage area can be up to 100,000 sq ft or more around the Phone Base location. Coverage will be reduced because of walls and other obstacles, especially those made of metal.

2. For the best coverage, place the Phone Base as high as possible in the area where the corresponding Handset is generally used.

3. Test the Handset for phone coverage - walk away from the Phone Base and see if the Handset is still within range. If the Handset is out of range, the Handset display shows **Searching Base**. If greater coverage is desired, see 1 and 2 above and place the Phone Base in another location.

4. The Handset walkie-talkie coverage is approximately 4 times greater than the phone coverage. If the user goes beyond the cordless phone coverage area, they can still communicate using the walkie-talkie. On the first day of use, you will identify areas where phone coverage may not be available. In those areas, you can still be reached through the walkie-talkie feature. To take or make a phone call, return to a known area of cordless phone coverage and wait a few seconds for the **Searching Base** message to disappear.

E. TEST THE OPERATION OF EACH CLS1450 HANDSET

1. **Call another phone extension**
   Press **Flash** and dial the extension number. If you hear outside line dial tone after pressing **Flash**, the extension is incorrectly programmed. Reprogram this phone system extension to default to **internal or intercom dial tone**. To hang up, press **Cancel**.

2. **Make an outgoing call**
   Press **Flash**, dial 9 and the phone number (This may vary with each phone system). If you are able to get an outside line without dialing 9, the phone system is incorrectly programmed. Reprogram the phone system extension to default to **internal or intercom dial tone** (see section B. 1.)

3. **Answer an incoming external call**
   When the handset rings, press **Flash**. If it does not ring, program this phone system extension to enable ringing.

4. **Pickup a line**
   Press **Flash** and the specific keypad buttons required to access a phone line which will vary with each phone system. For information on your specific phone system, refer to:
   a. Your phone system instruction manual: Accessing phone system features using Analog or Single Line (SLT) telephones
   b. Your phone system vendor or installer
   c. Information at www.acsspirit.com/cls1450 for several popular phone systems

5. **Transfer a Call**
   While on a phone call, press **Flash** and dial the extension number that you wish to transfer the call to, and then press **Cancel**. The transfer will not be completed until you press **Cancel**. Instructions vary with each phone system (see 4 a, b, c above).

F. ADJUSTING HANDSET VOLUME LEVELS

There are 3 separate volume level adjustments

1. **Ring Volume** - press **Menu** and scroll down to **Ring Volume**, press **Select**, and use the **Scroll Button** to change the volume level. The Handset display shows volume level. Change the ring volume to **1** if using a headset or **5** if not using a headset. Press **Done**.

2. **Phone Volume** - the phone volume can only be adjusted DURING a phone call. Press **Volume Up** or **Volume Down** on top of the Handset. The Handset display shows volume level.

3. **Walkie-Talkie Volume** - press **Volume Up** or **Volume Down** on top of the Handset. The Handset display shows volume level.

G. ADDITIONAL SETTINGS FOR EACH CORDLESS HANDSET

Important: Phone Base Must Be Connected to AC Power
Enter handset programming: Power the Handset off, then press and hold the following 3 buttons at the same time for 7 seconds (1) Push-to-talk, (2) Bell, (3) Power. After 7 seconds, the handset will **chirp**. The arrow in the Handset display points to **Radio Config.**

1. Using **Scroll**, go to **Handset Name** and press **Select**. Delete the name **Radio (1)** by pressing **Delete** until all characters are removed. Now enter the 2, 3 or 4 digit phone system extension number for this Handset and Phone Base. Example: **122.** Use the **Handset** keypad to enter letters and numbers. There is room for up to 7 characters including spaces. Keypad number 1 is also the **Space** key. When finished press **Done**.

2. **Scroll** to **Set Date/Time** and press **Select.** Enter date and time. Use 12 hour time. Press **Done**. The date and time are stored in the Phone Base, not the Handset. If power is lost, date and time will need to be reset.

3. To exit programming, press **Done, Back** or **Reset.**

H. CHANGING WALKIE-TALKIE SETTINGS TO WORK WITH OTHER BUSINESS WALKIE-TALKIES

1. In order to communicate with other walkie-talkies all units must be set to the same frequency and code. The frequency and code numbers in the CLS1450 are identical to Motorola CLS1110, CLS1410, RDU2020, RDU2080d, RDU4100, RDU4160d, XU1100, XU2100, XU2600. Refer to the user guide for your specific model to determine the frequency and code settings of your walkie-talkie.

2. To change CLS1450 Walkie-Talkie settings

   a. **Enter handset programming:**
   Power the Handset off, then press and hold the following 3 buttons at the same time for 7 seconds (1) Push-to- talk, (2) Bell, (3) Power. After 7 seconds, the handset will **chirp**.

   b. The Handset display arrow points to **Radio Config**. Press **Select**. **Scroll** to **Channel Config** and press **Select**. The arrow points to **Channel 1. Scroll** to **Freq.** Using the Handset keypad, enter the frequency number that matches your walkie-talkies. **Scroll** to **Code**. Using the Handset keypad, enter the code number that matches your walkie-talkies.

   c. **Scroll** to **Scan**. Press **Change** to show **N**. **Scan** is now off. Press **Done**.

   d. The arrow in the Handset display points to **Channel Config**. **Scroll** to **Radio Options** and press **Select**. The arrow points to **Num Chans**. There are up to 4 walkie-talkie channels available. Press **Change** until the number of channels is the same as your other walkie-talkies.

   If using only 1 channel, change the number of channels to 1. This will prevent users from changing channels by mistake and being off the main channel. If using more than 1 channel, match the frequency and codes for each channel. Refer to section H, paragraph 2b.

   e. To exit programming, press **Done, Back** or **Reset**.